

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S46	1	(mode adj3 lock) and S45	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:14
S45	43	(US-20020009277-\$ or US-20050036533-\$ or US-20050019973-\$ or US-20020106160-\$).did. or (US-6574383-\$ or US-5617445-\$ or US-5990850-\$ or US-5955749-\$ or US-6778746-\$ or US-5751466-\$ or US-6260388-\$ or US-5748057-\$ or US-5600483-\$ or US-6704343-\$ or US-6597721-\$ or US-6829281-\$ or US-6826219-\$ or US-5726805-\$ or US-6532326-\$ or US-6804280-\$ or US-6785454-\$ or US-6366392-\$ or US-5335240-\$ or US-6028693-\$ or US-6222871-\$ or US-6222868-\$ or US-5784400-\$ or US-6134369-\$ or US-5999308-\$ or US-6396617-\$).did. or (US-6327293-\$ or US-6134043-\$ or US-6853791-\$ or US-5526449-\$ or US-6711200-\$ or US-6744804-\$ or US-6853669-\$ or US-6058127-\$ or US-6744552-\$ or US-6788863-\$ or US-6560006-\$ or US-6798806-\$).did. or (JP-2002314194-\$).did.	US-PGPUB; USPAT; JPO	OR	ON	2006/02/14 17:14
S49	1	372/18.ccls. and ((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:16
S48	1	372/18.ccls. and ((mode adj3 lock) and VCSEL )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:16

## EAST Search History

S54	0	372/17.ccls. and ((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:17
S53	0	372/23.ccls. and ((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:17
S52	0	372/223.ccls. and ((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:17
S51	0	372/25.ccls. and ((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:17
S50	1	372/20.ccls. and ((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:17
S59	15	(mode adj3 lock) and laser and contact and (evanescent\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:30
S58	15	(mode adj3 lock) and laser and contact and (evanescent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:30
S57	245	(mode adj3 lock) and laser and contact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:30

## EAST Search History

S60	15	((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:37
S55	15	((mode adj3 lock) and VCSEL and laser)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:37
S56	15	((mode adj3 lock) and VCSEL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:38
S61	15	((mode adj3 lock) and VCSEL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 17:46
S64	0	((mode adj3 lock) and (high adj3 gain) and VCSEL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 18:00
S63	138	((mode adj3 lock) and (high adj3 gain))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 18:00
S62	9	((mode adj3 lock) and (evanescent adj3 wave))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 18:00
S66	677	372/18.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 19:02

## EAST Search History

S47	1	372/18.ccls. and (mode adj3 lock) and VCSEL	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 19:03
S67	129	372/18.ccls. and (mode adj3 lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:06
S68	2	"20040240900"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:07
S69	2	"20050013337"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:08
S70	2	"20040228385"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:09
S71	2	"20050008055"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:10
S72	2	"20050271093"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:11
S74	2	"20060013273"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:12

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S73	2	"20050018717"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/14 20:12
S77	32	372/49.01-50.122.ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 10:59
S76	0	372/46.0146.016.ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 10:59
S80	48	372/75,96.ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:00
S79	3	372/50.124.ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:00
S78	2	372/50.123.ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:00
S75	29	372/43.01-45.013.ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:00
S82	11	("5258316"   "5444731"   "6144682"   "6259121"   "6365427").PN. OR ("6507595").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 11:15
S84	23	("4784722"   "4813762"   "4894840").PN. OR ("5033060").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 11:19

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S83	3	("20020196414"   "5033060"   "6031243").PN. OR ("6959027").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 11:19
S81	115	"372"/\$\$\$ ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:20
S88	318	((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:25
S87	6	"438"/\$\$\$ ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:25
S86	2	438/42.ccls. and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:25
S89	2	"6507595" and ((laser near3 array) and vcsel and (mode near3 (coupl\$3 or lock\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 13:26
S90	22	("5317587"   "5412680"   "5712865"   "5724374"   "5784400"   "6021147"   "6058127"   "6154480"   "6160834"   "6259715"   "6304588"   "6366597"   "6434180"   "6507594"   "6507595").PN. OR ("6683898").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/01 13:50
S91	2	"20010028667"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:37

## EAST Search History

S92	132	372/45.012.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:39
S93	1641	372/92.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:50
S94	26	372/92.ccls. and (mode adj3 lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:52
S10 0	0	"438"/\$\$\$ccls. and (vc sel and (mode adj3 lock))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:54
S99	11	"438"/\$\$\$ccls. and (mode adj3 lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:54
S98	12	"257"/\$\$\$ccls. and (mode adj3 lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:54
S97	267	"372"/\$\$\$ccls. and (mode adj3 lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:54
S96	8	372/75.ccls. and (mode adj3 lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:54

## EAST Search History

S95	13	372/43.01-50.1.ccls. and (mode adj3 lock)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:54
S10 1	13	semiconductor and (vcsl and (mode adj3 lock))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 13:55
S10 2	20	((("4,144,101") or ("4,870,652") or ("4,980,893") or ("5,073,041") or ("5,115,442") or ("5,176,875") or ("5,171,703") or ("5,179,567") or ("5,245,622") or ("5,258,990") or ("5,262,491") or ("5,331,654") or ("5,337,074") or ("5,354,709") or ("5,400,354") or ("5,412,680") or ("5,416,044") or ("5,557,627") or ("5,568,499") or ("5,581,571") or ("5,594,751") or ("5,633,527") or ("5,659,193") or ("5,717,533") or ("5,727,014"))).PN.	USPAT; JPO	OR	OFF	2006/08/23 20:37
S10 3	57	("4660207"   "4675875"   "4675876"   "4675877"   "4873696"   "4901327"   "4943970"   "4949350"   "4949351"   "4991179"   "4999842"   "5020066"   "5034344"   "5034958"   "5038356"   "5052016"   "5063569"   "5146465").PN. OR ("5258990").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 20:38
S10 4	59	("4943133"   "4949350"   "4991921"   "4997246").PN. OR ("5073041").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/23 20:43
S10 5	21	((("5,734,588") or ("5,7391945") or ("5,8Q9,051") or ("5,864,468") or ("5,870,132") or ("5,881,085") or ("5,897,329") or ("5,903,588") or ("5,903,589") or ("6,014,395") or ("6,052,399") or ("6,069,908") or ("6,075,804") or ("6,148,016") or ("6,201,704") or ("6,208,681") or ("6,269,109") or ("6,297,068") or ("6,304,588") or ("20020097764") or ("6,459,719") or ("20040062284") or ("6,765,943"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/23 20:44



## EAST Search History

S10 7	1	("6208681").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 20:45
S10 6	0	((("10-065266") or ("10-125999") or ("10-229248") or ("858137A3"))).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/23 20:45
S29	7	((("6574383") or ("6560006") or ("6028693") or ("5990850") or ("5617445") or ("5751466") or ("2002314194"))).PN.	USPAT; JPO	OR	OFF	2006/10/03 15:51
S10 8	2	((("6002701") or ("5471494"))).PN.	USPAT; JPO	OR	OFF	2006/10/03 16:13
S10 9	7	("5253264"   "5416790").PN. OR ("6002701").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:14
S11 0	13	("5111471").PN. OR ("5253264"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:16
S11 1	13	("5111471").PN. OR ("5253264"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:18
S11 2	27	("4961197"   "5297158").PN. OR ("5416790").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:19
S11 4	27	("4961197"   "5297158").PN. OR ("5416790").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:21
S11 3	10	("4961197"   "5416790"   "5581570"   "5751756"   "5894491"   "6002701"   "6031858"   "6072817").PN. OR ("6160829").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:21
S11 5	15	("5923688"   "5963573"   "5966397"   "5991321"   "6002701"   "6028875"   "6084898").PN. OR ("6195375"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:22
S11 6	18	("5213998"   "5248631"   "5274269"   "5291507"   "5319219"   "5395791"   "5396103"   "5404027"   "5422902"   "5477063"   "5488233"   "5495493"   "5513199"   "5742629").PN. OR ("5963573").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:23

## EAST Search History

S11 7	17	("4961197"   "5003549"   "5111469"   "5412678"   "5416790"   "5471494"   "5523256"   "5581570").PN. OR ("5850411").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/03 16:50
S11 9	136	(self adj3 pulsation) and (satur\$5 ) and semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 16:53
S11 8	0	(self adj3 pulsation) and (satur\$5 and non\$satur\$5) and semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 16:53
S12 0	69	(self adj3 pulsation) and (absorber) and semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 17:08
S12 1	4	(self adj3 pulsation) and (non\$absorb\$4) and semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 17:12
S12 3	1811	372/46.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 17:13
S12 2	68	372/46.01	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/03 17:13

## EAST Search History

S65	43	((evanescen\$3) and (high adj3 gain) and VCSEL)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 17:42
L2	24	((evanescen\$3) and (high adj3 gain) and VCSEL) and contact and (opening or hole)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 17:43
L1	38	((evanescen\$3) and (high adj3 gain) and VCSEL) and contact	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 17:43